

## ABSTRACT OF THE DISCLOSURE

An inflatable sealing assembly integrated with a flow carrier which seals the inside of the flow carrier upon detection of a physical condition (e.g. fluid pressure). The inflatable sealing assembly includes a housing, a compartment in the interior of the housing for storing an inflatable sealing device, an inflating mechanism, and a sensor. Upon detection of the physical condition in the exterior and/or interior of the flow carrier, the sensor activates the inflating mechanism, preferably automatically, to inflate and deploy the inflatable sealing device which seals off the inside of the flow carrier. The inflatable sealing device may be an air bag.